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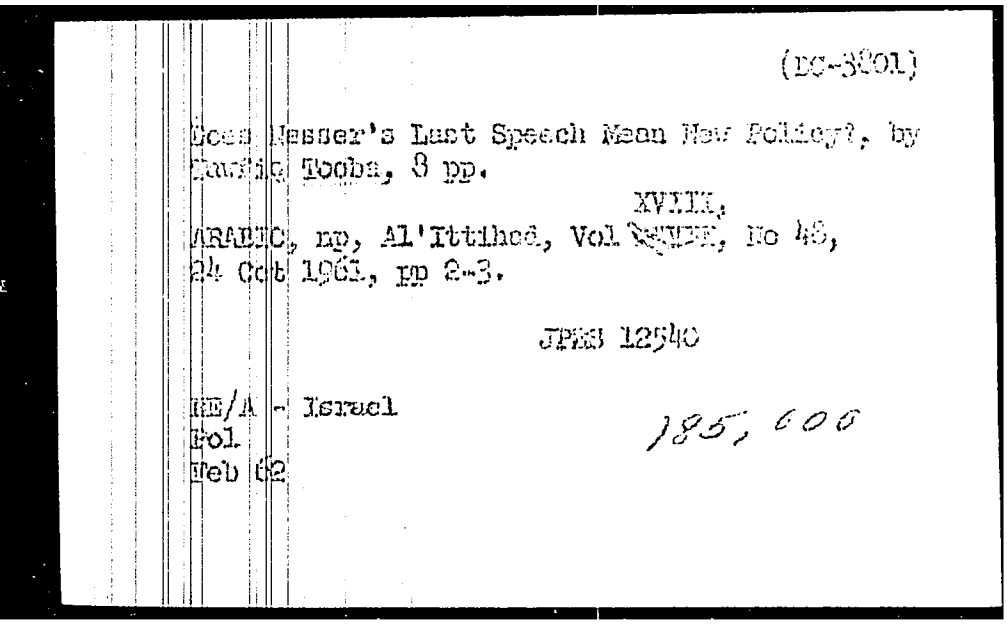

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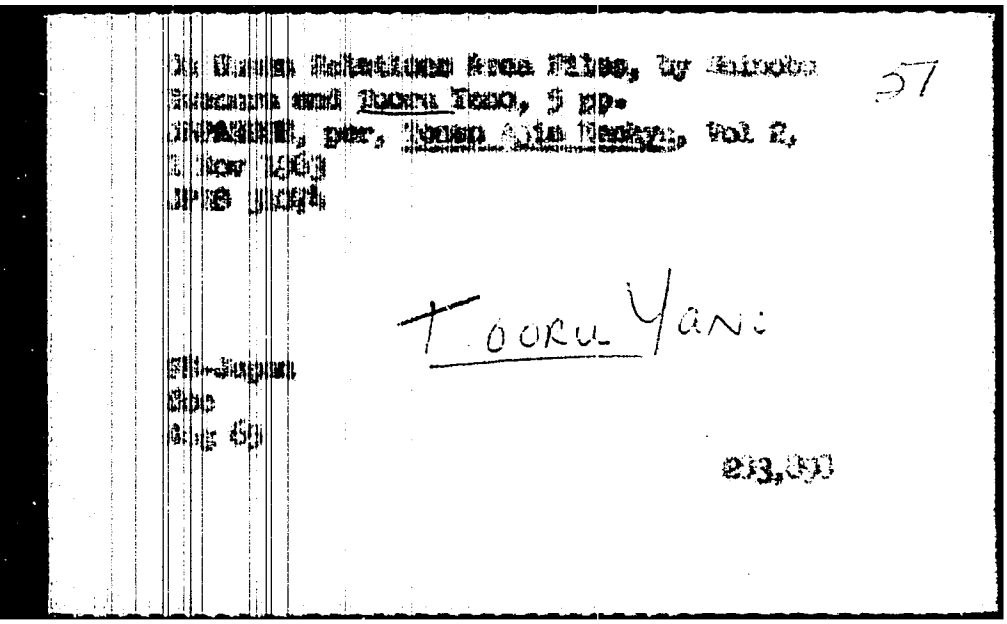

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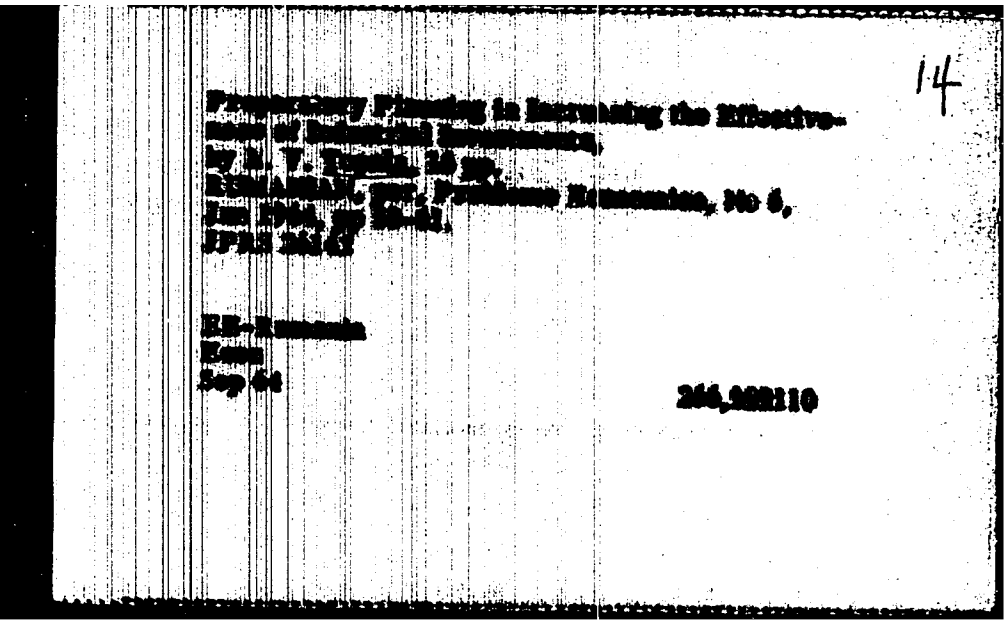

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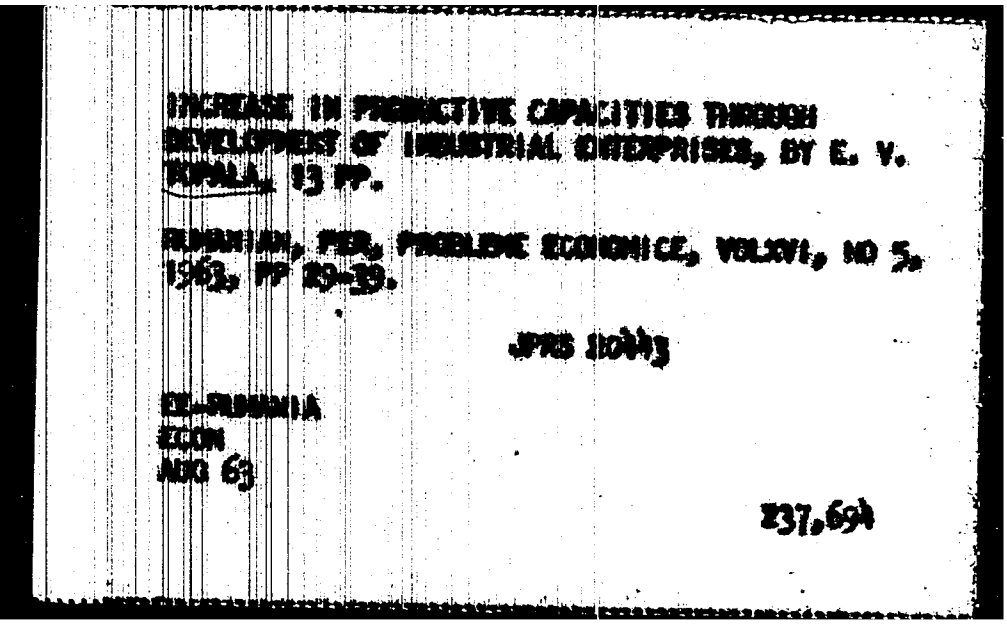

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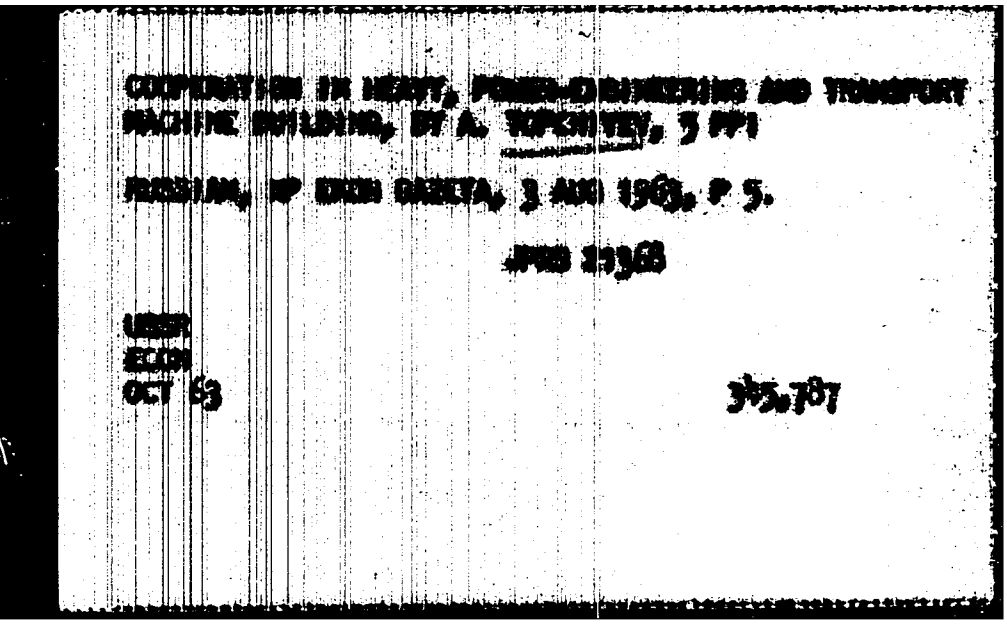

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(Chemistry--Physical, TT, v. 11, no. 8)

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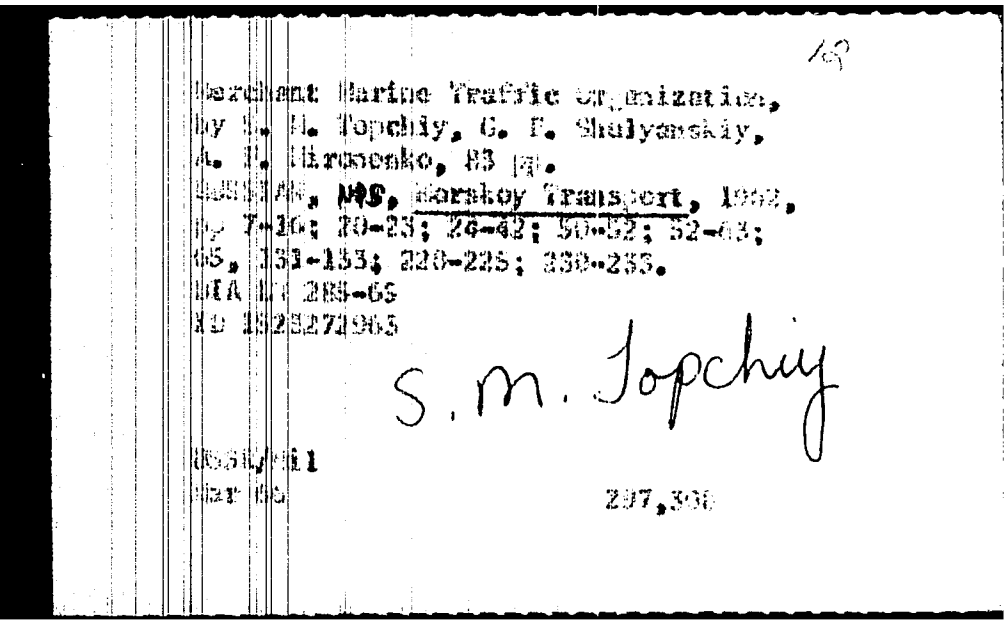

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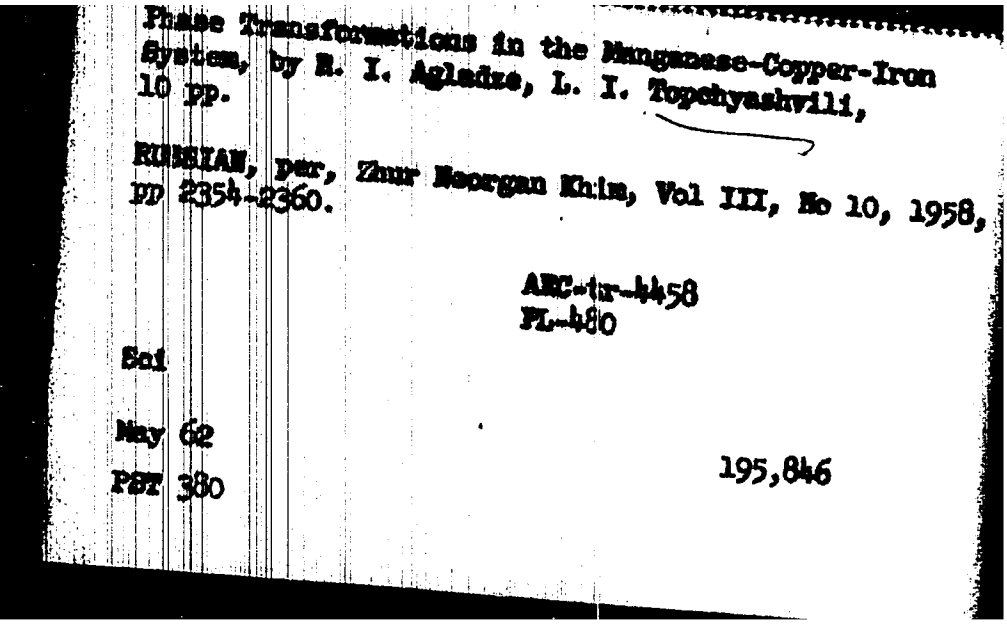

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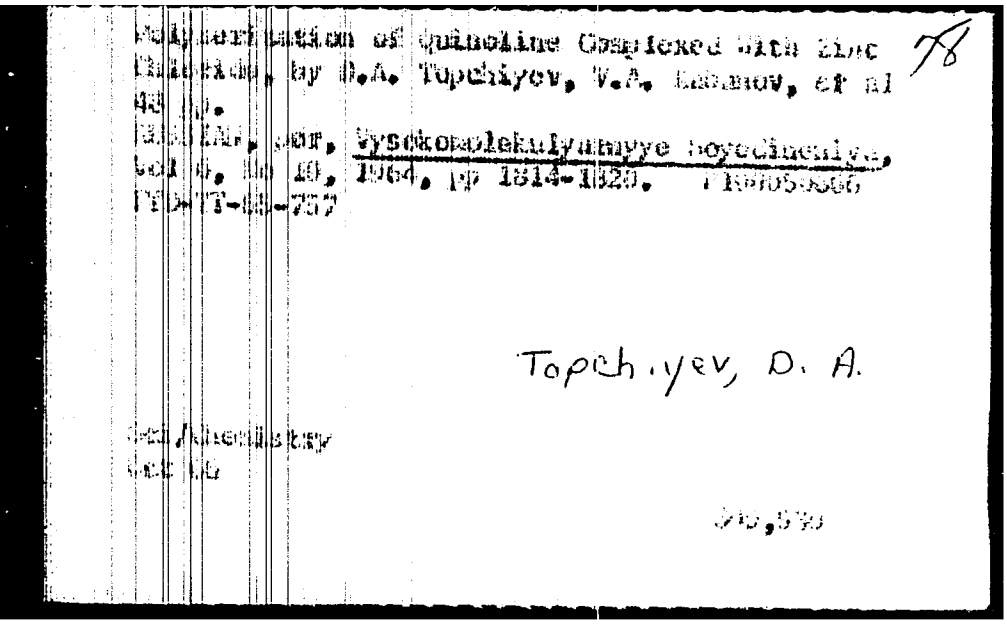

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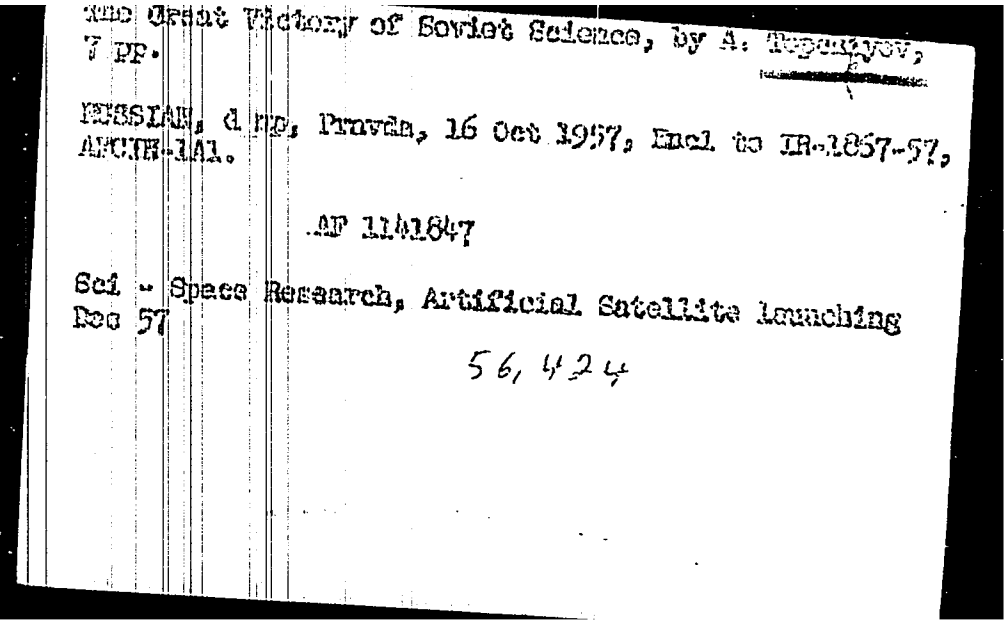

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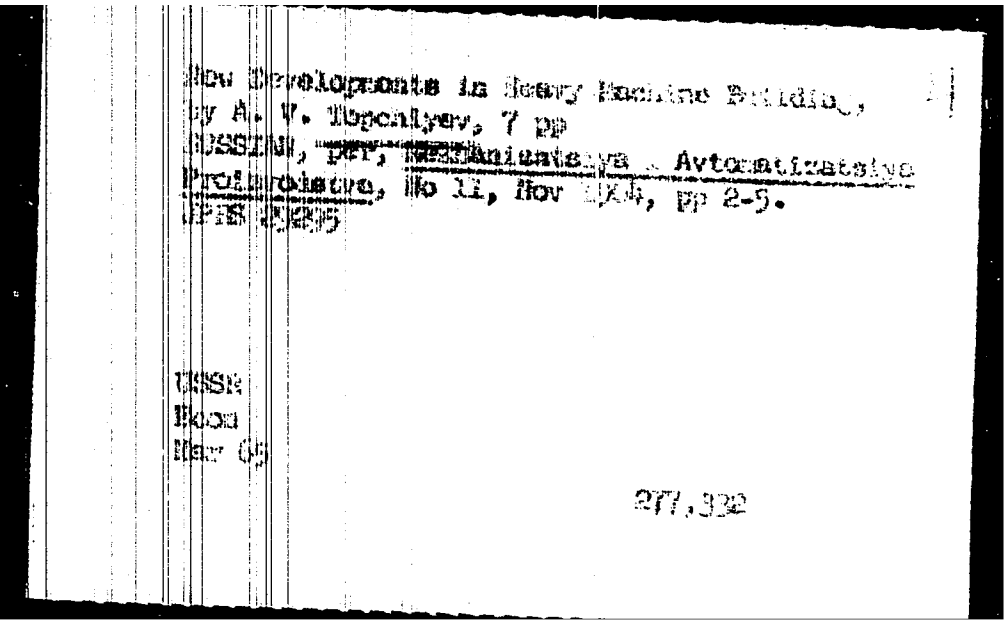

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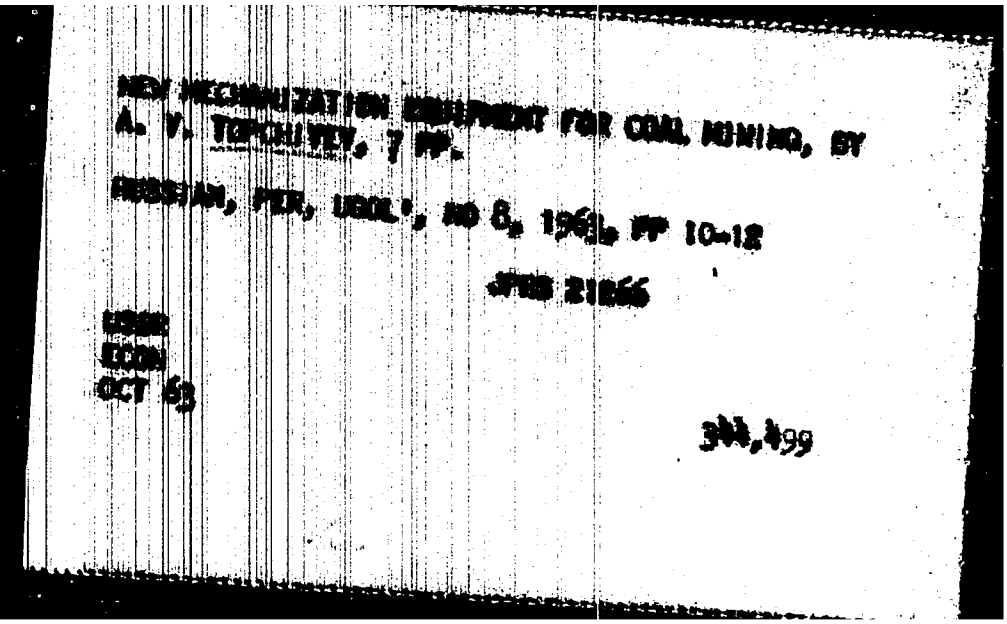


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CATALYTIC CONVERSIONS OF CYCLOHEXENE TO TETRAALKYLBENZENE AND DIMETHYLNAPHTHALENE HYDROCARBONS. [1960] 7p. 15 refs.
Order from LC or SLA mi$1.80, ph$1.80 60-16895

Trans. of Akad[emiya] Nauk SSSR. Dokl[ady] 1959, v. 125 [no. 2] p. 341-344.

Cyclohexanol dehydration and the catalytic conversion of cyclohexane were investigated in a reactor with a boiling layer of powdery, microspherical aluminosilicate catalyst. Cyclohexanol dehydration occurs until 200° on the aluminosilicates without noticeable conversion of the produced cyclohexene. Further temperature increase leads to isomerization, cyclohexene polymerization and hydrogen redistribution. The results show no essential difference in the conversion products of cyclohexanol and of cyclohexene.

(Chemistry--Organic, TT, v. 5, no. 8)

60-16895

1. Cyclohexenes--Chemical reactions
2. Catalysis--Applications
3. Hydrocarbons--Synthesis
4. Benzenes--Synthesis
5. Naphthalenes--Synthesis

I. Topchiyev, A. V.
II. Mamedaliyev, G. M.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100350052-2

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POSSIBILITY TO POLYMERIZE ETHYLENE TO POLYETHYLENE IN THE PRESENCE OF LITHIUM HYDRIDE, ALUMINUM HALIDE AND TITANIUM TETRACHLORIDE (O Vozmozhnosti Polimerizatsii Etilena v Polietilen v Prisutstvii Litiygidrida, Alyuminiygaloida i Chetyrekhkhloristogo Titana).

[1960] 4p. 1 ref.

Order from LC or SLA mi$1.80, ph$1.80 61-10462

Trans. of *Akademiya Nauk SSSR. Otdeleniye Khimicheskikh Nauk. Izvestiya, 1958, no. 3, p. 375-376.

The possibility of preparing polyethylene in the presence of lithium hydride, aluminum halides and titanium tetrachloride has been demonstrated. The assumed mechanism of the reaction was outlined. The possibility of obtaining polypropylene by an analogous method has been shown. (Author)

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61-10462

1. Ethylenes--Polymerization
I. Topchiyev, A. V.
II. Tolchinskiy, I. M.
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Perspectives de l'Utilisation Industrielle du Cracking Thermique Sous Radiations d'Hydrocarbures Normaux, (Prospects for Industrial Use of Radiation Thermal Cracking of Normal Hydrocarbons), by A. V. Topchiyev, L. S. Polak, M. Y. Cherniac, V. E. [redacted], I. V. Vereshchinsky, P. Y. Glazunov, 7 pp.

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Topchiyev, A. V., Paushkin, Ya. M., and Kurashev, M. V.
SYNTHESIS OF ISOPROPYLNAPHTHALENE AND SEC-BUTYLNAPHTHALENE BY THE ALKYLATION OF NAPHTHALENE WITH OLEFINS. [1960] 5p.
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I. Topchiyev, A. V.
II. Paushkin, Ya. M.
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CHROMIUM OXIDES CATALYSTS FOR ETHYLENE POLYMERIZATION. [1960] [14]p. 8 refs.
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60-16901

1. Ethylenes--Polymerization
2. Chromium oxides--Catalytic properties
I. Topchiyev, A. V.
II. Kreutsel, B. A.

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Reactions of Hydrocarbons in Metal Melts.
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